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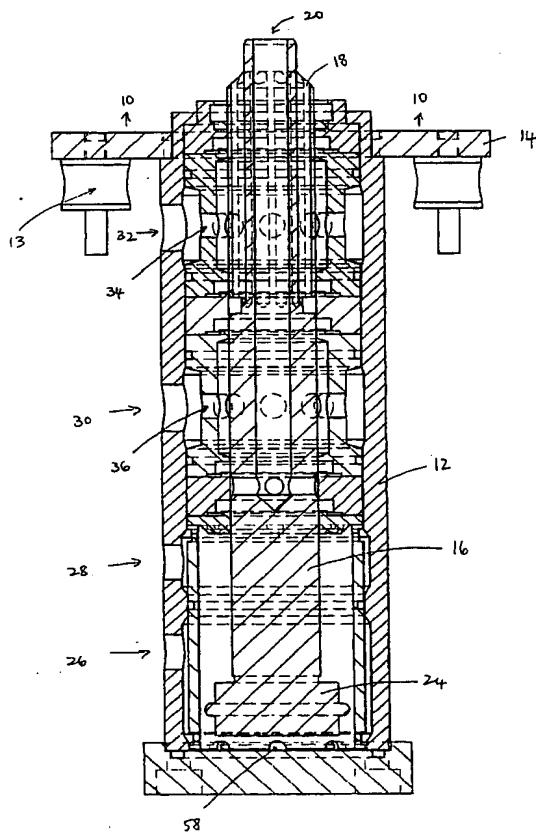
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*[Continued on next page]*

(54) Title: PNEUMATIC CONNECTOR ARRANGEMENT



(57) Abstract: ABSTRACT A pneumatic connector arrangement for a horse and trailer includes a piston (16) movable within a housing (12) to engage the base of the trailer kingpin (22) which is modified to include discrete passages (40, 42) for conveying permanent air supply and service line air to the trailer pneumatic system. The piston (16) has similar discrete passages (18, 20) which link to the kingpin passages upon link-up of the horse and trailer. The air supplies enter the piston passages by means of ports (30, 32).



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

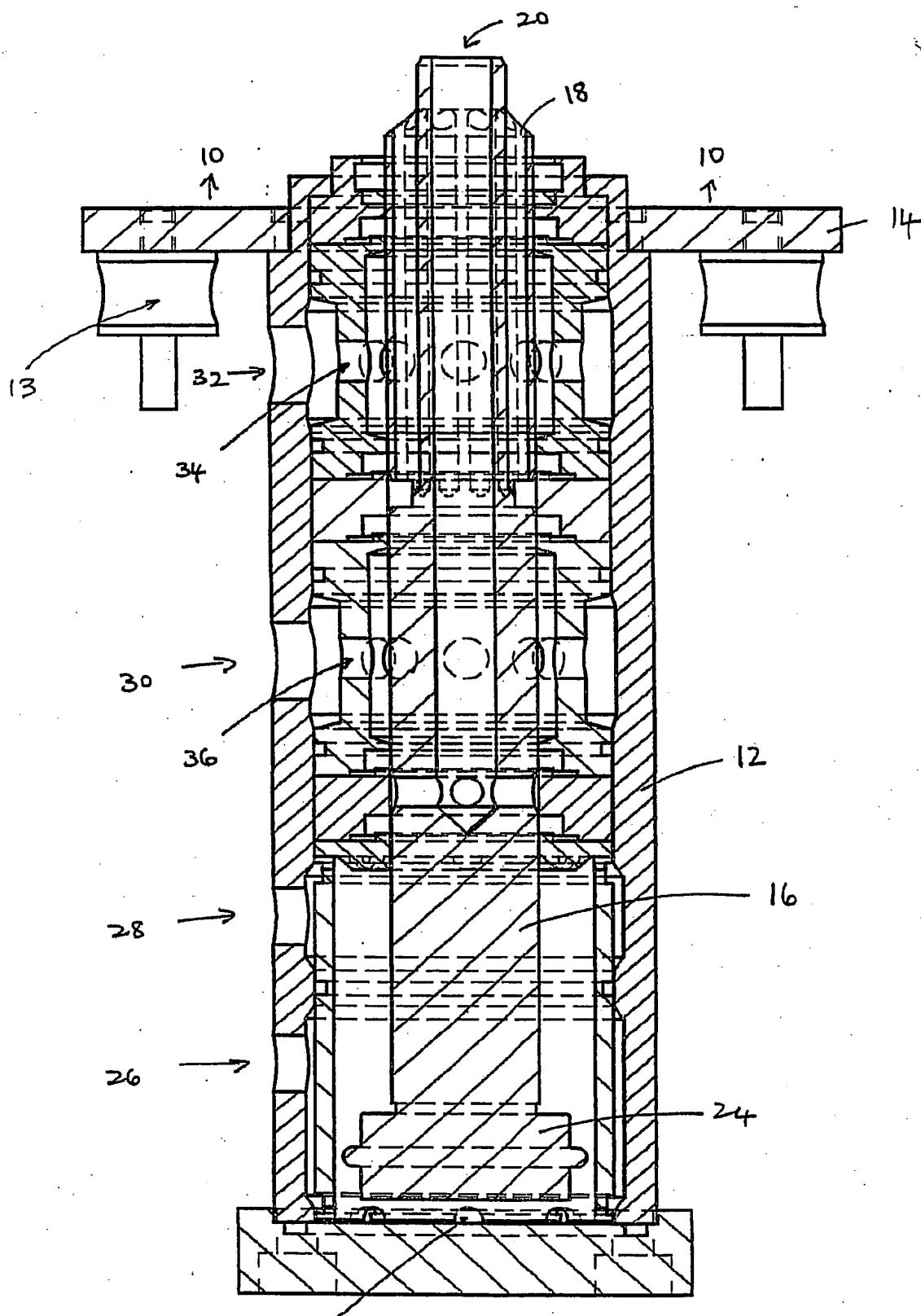
*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

10/529485

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58 FIGURE 1.

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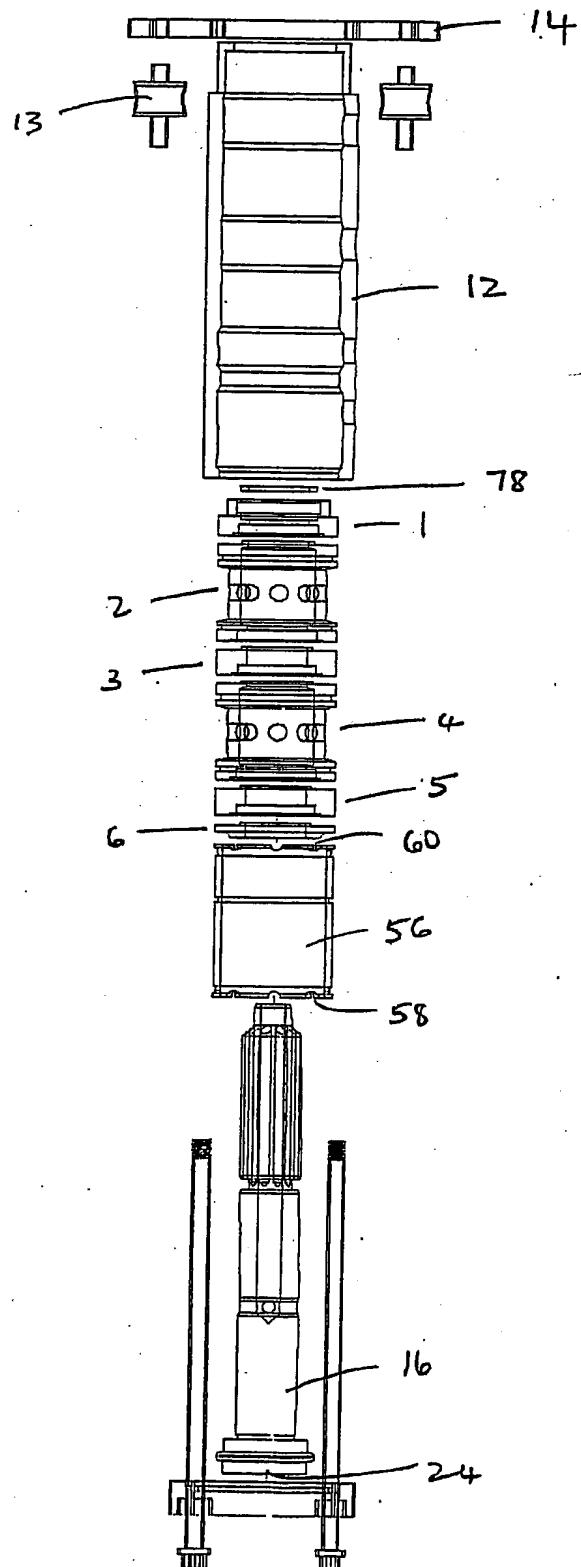


FIGURE 2.

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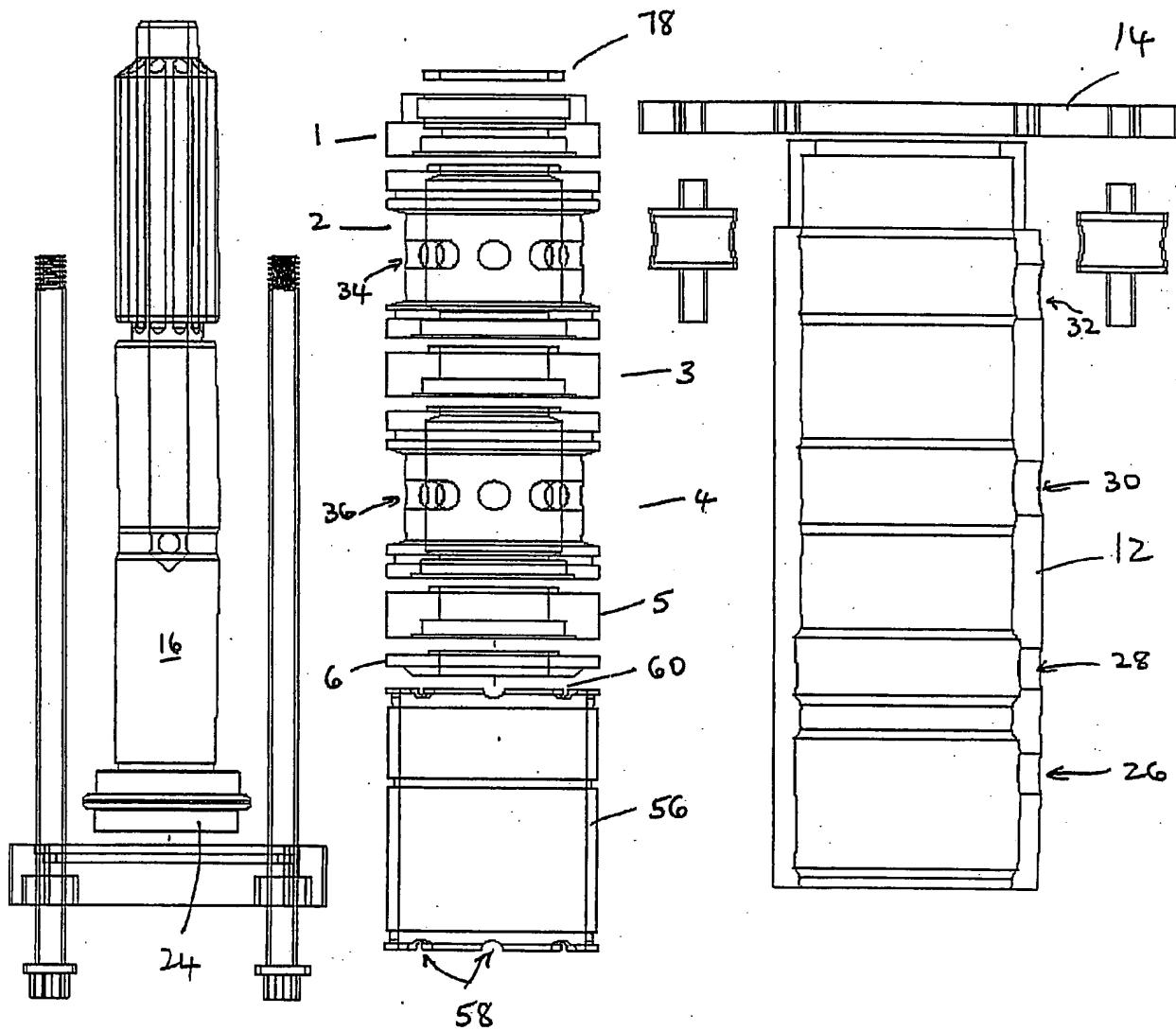


FIGURE 3.

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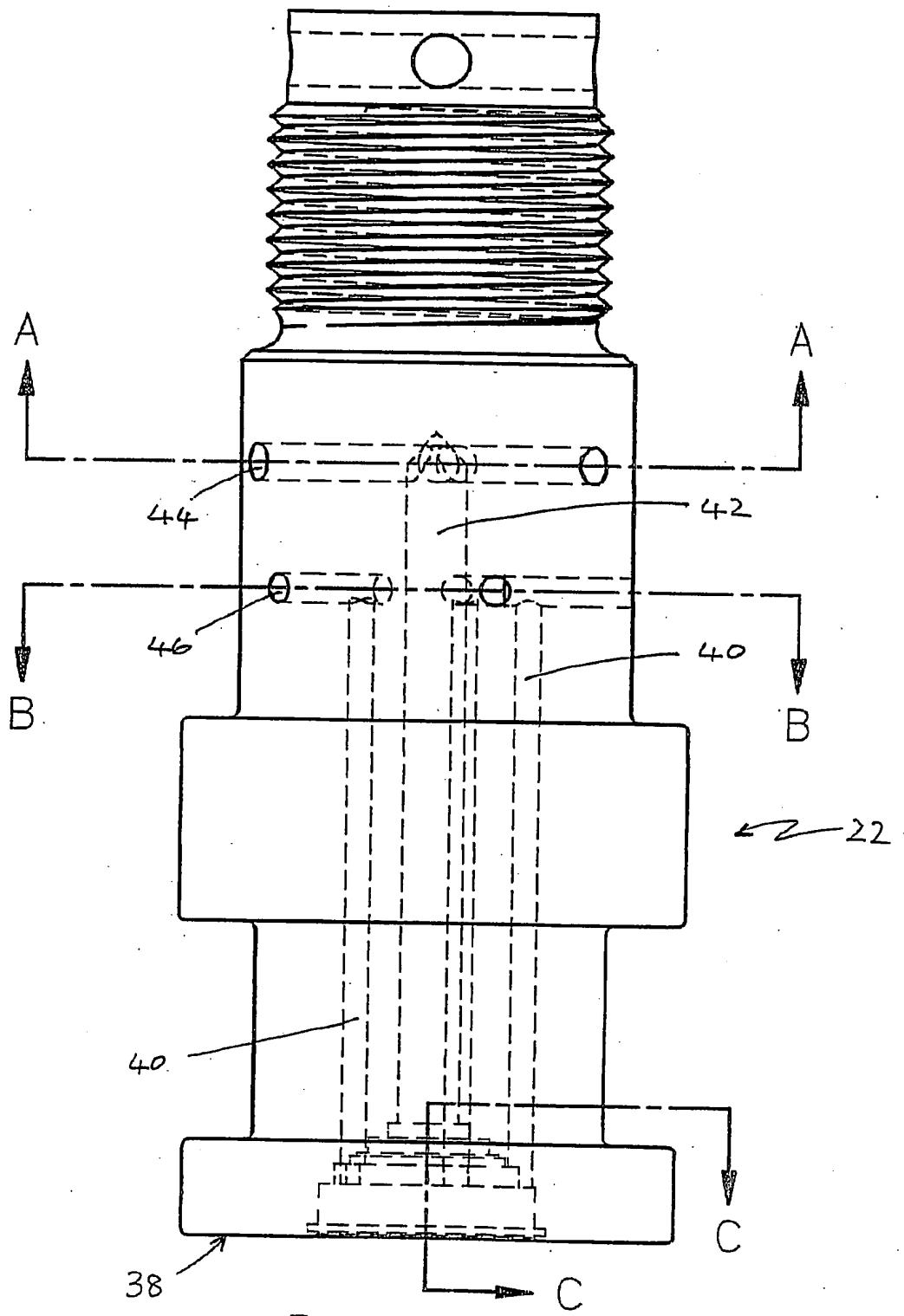
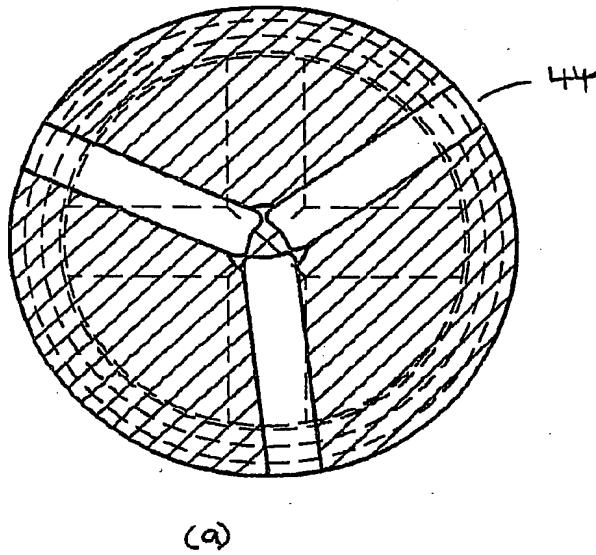


FIGURE 4.

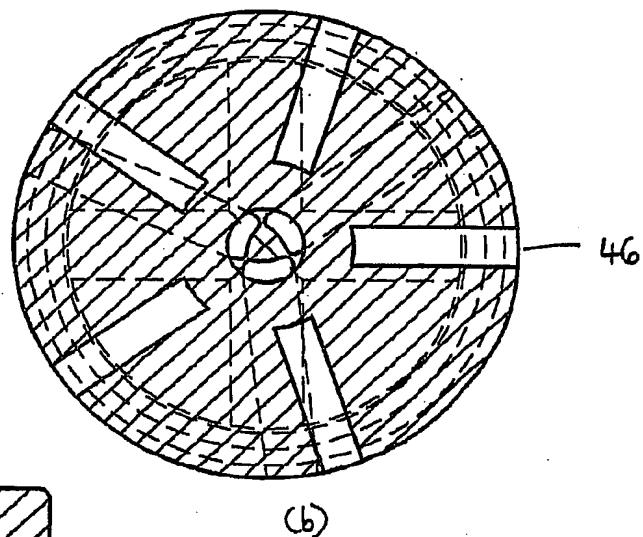
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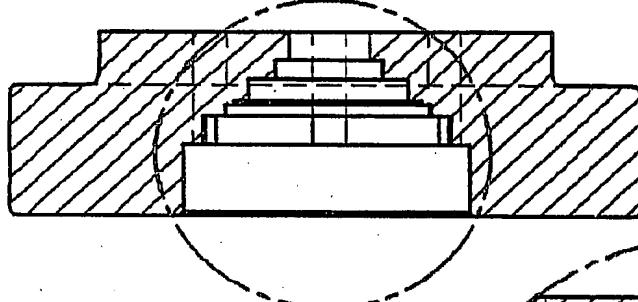
SECTION A-A



SECTION B-B



SECTION C-C



DETAIL H

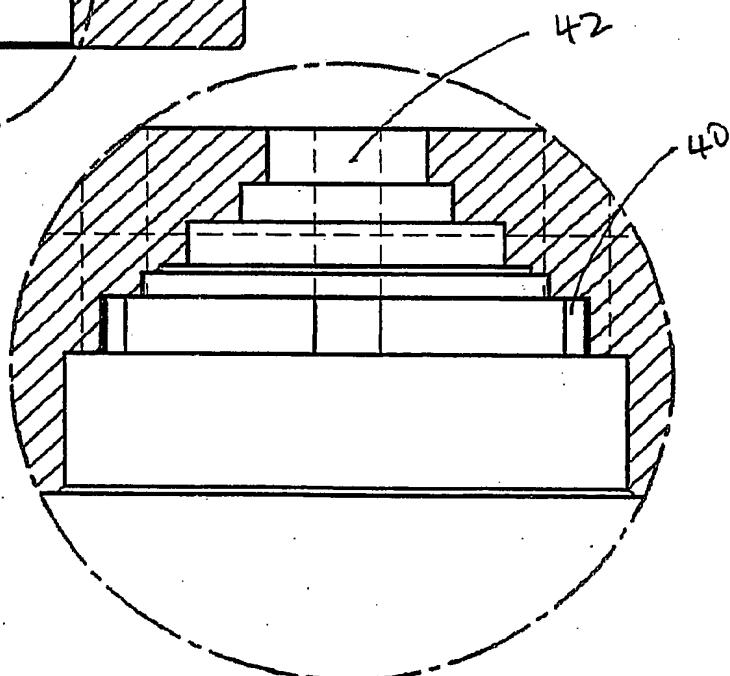


FIGURE 5.

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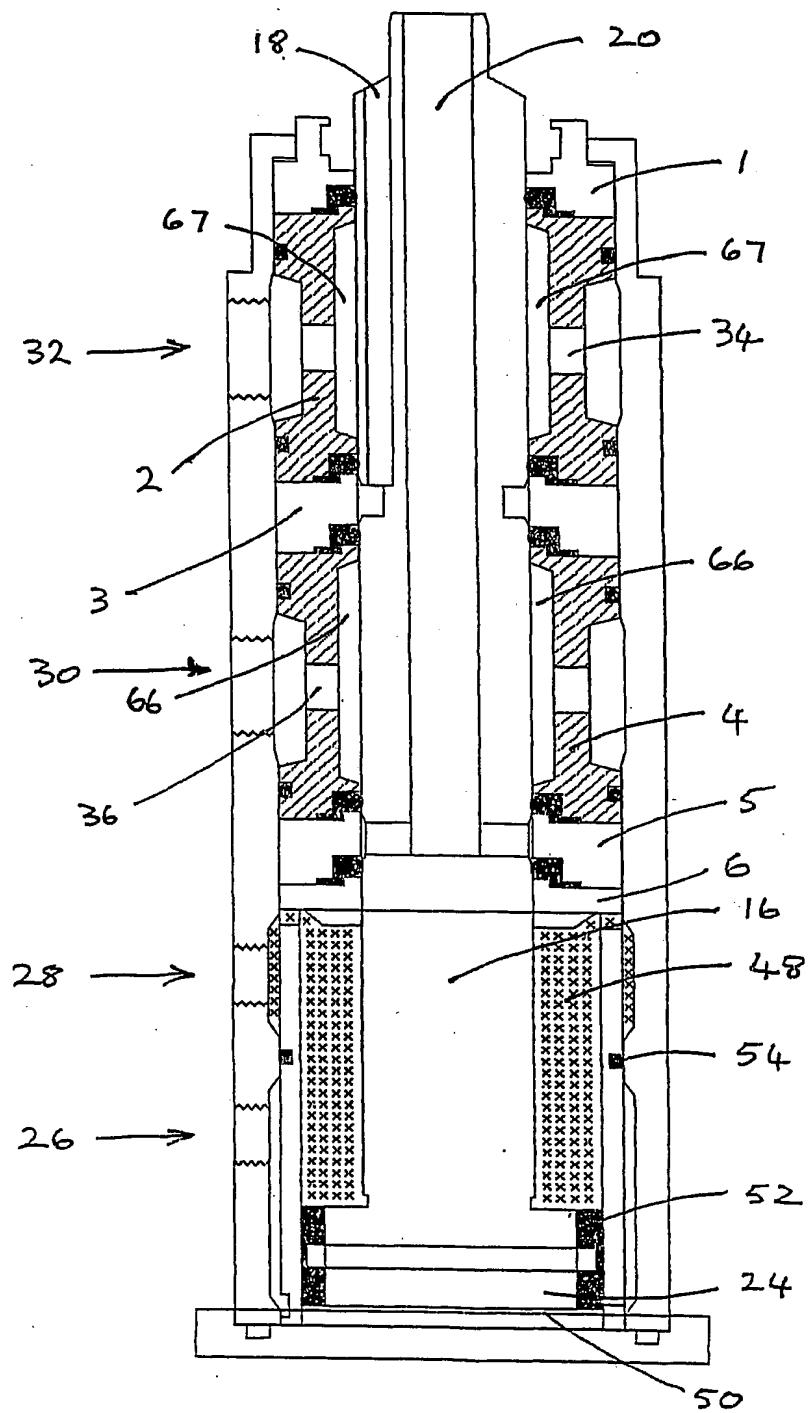


FIGURE 6.

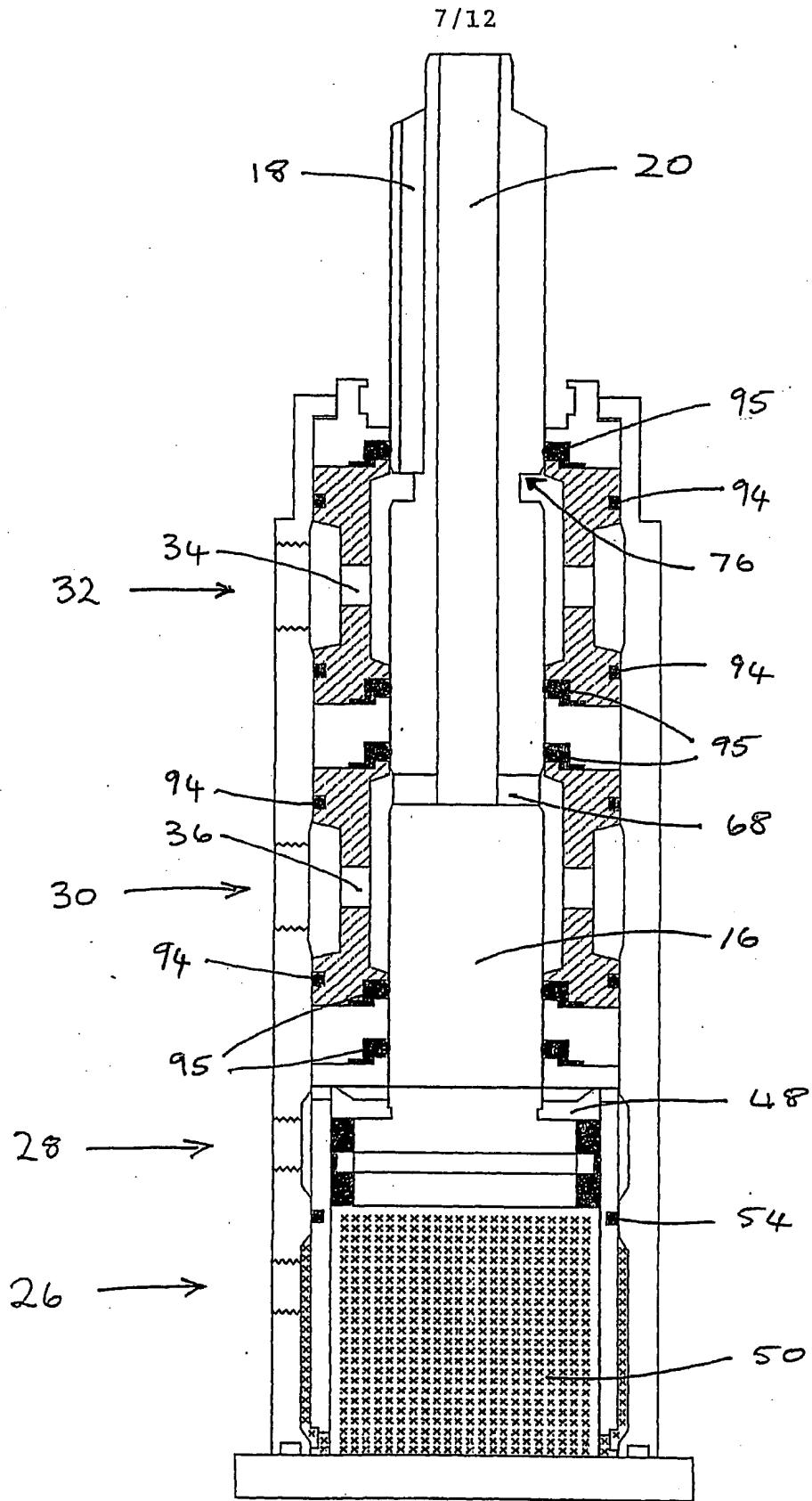


FIGURE 7

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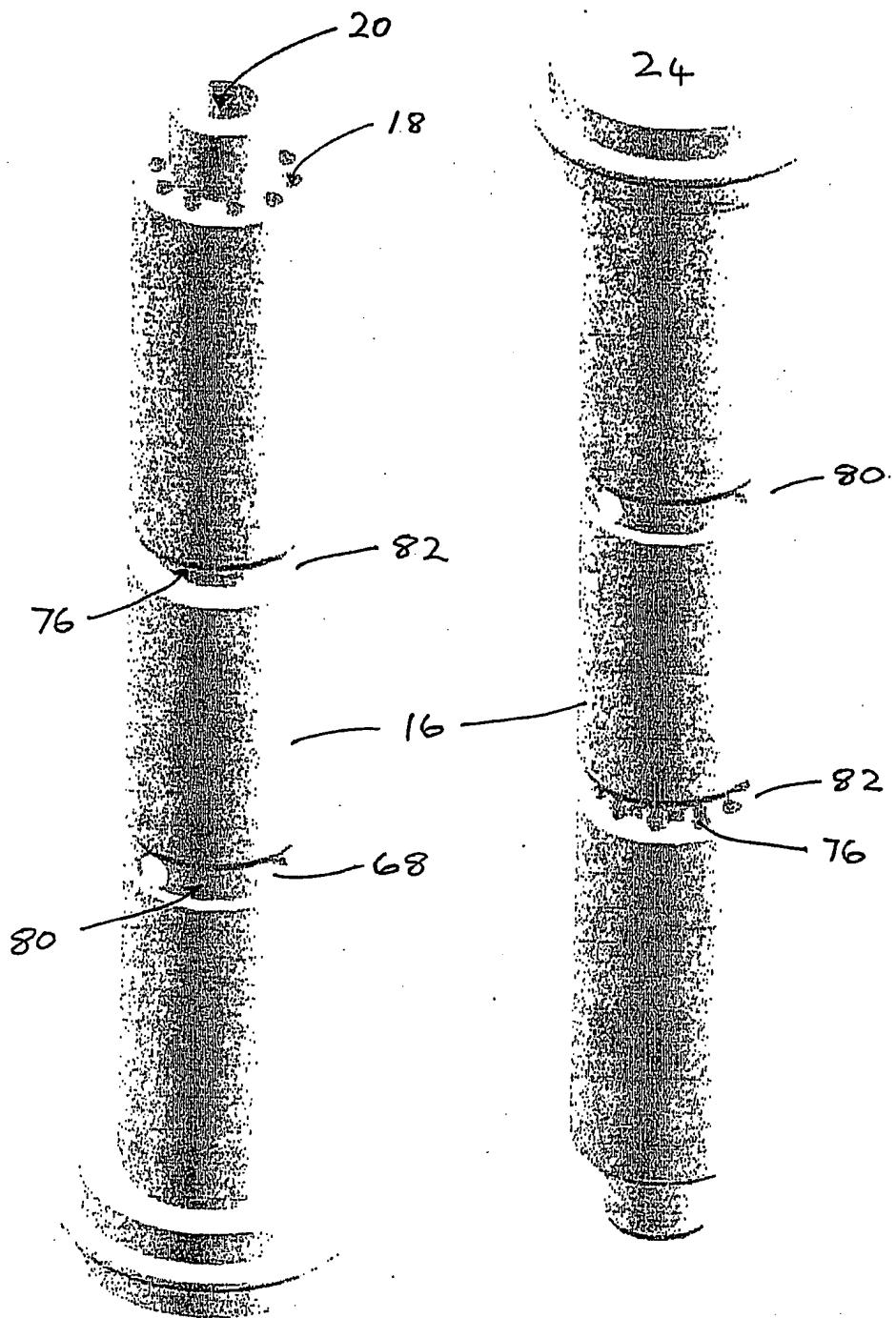
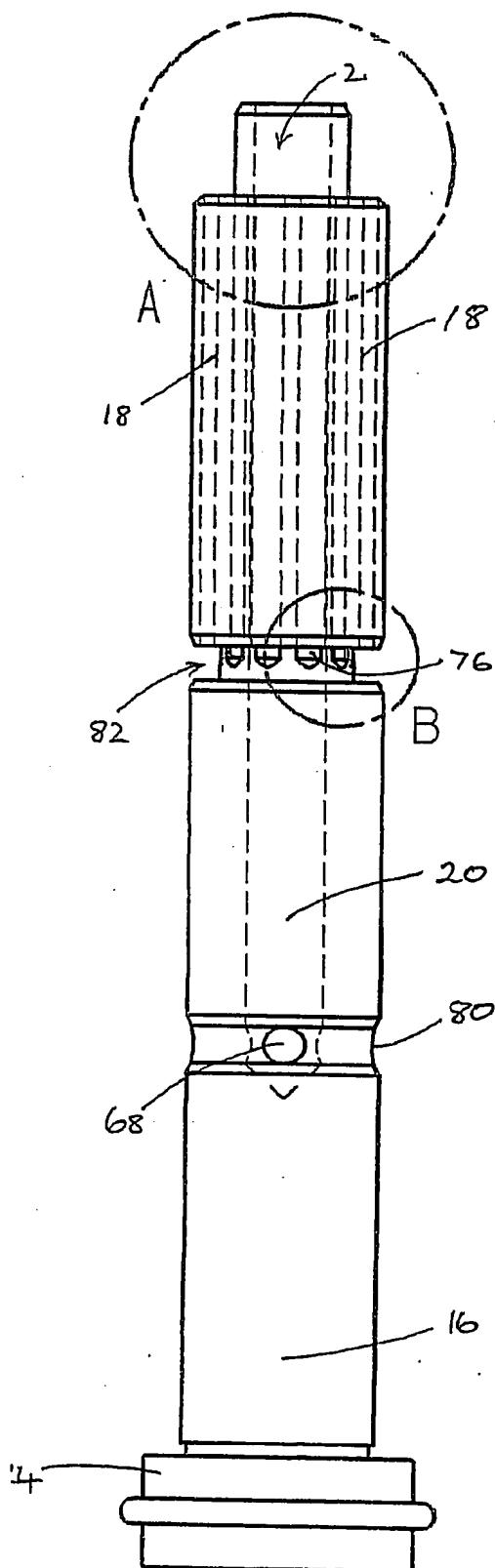


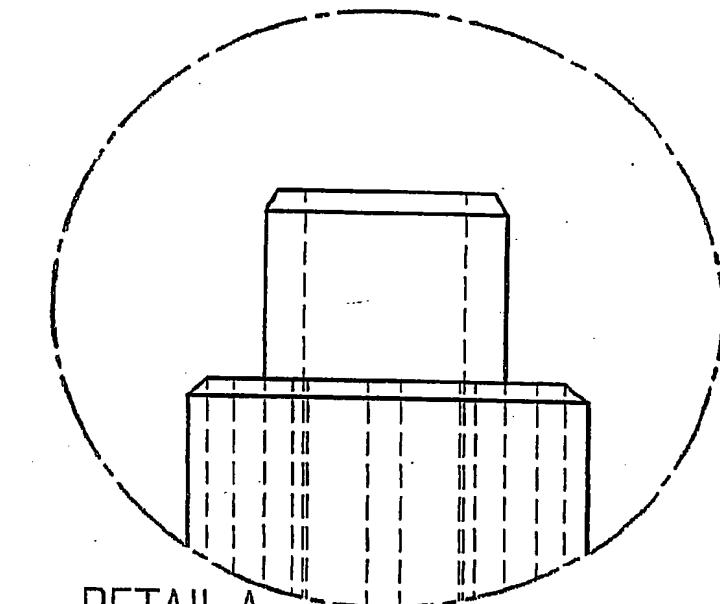
FIGURE 8

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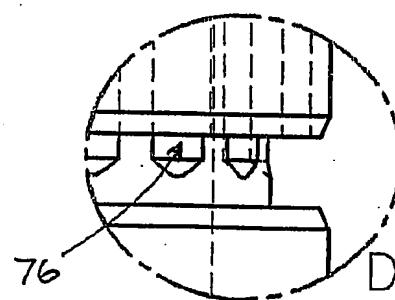
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(a)



**DETAIL A**



DETAIL B

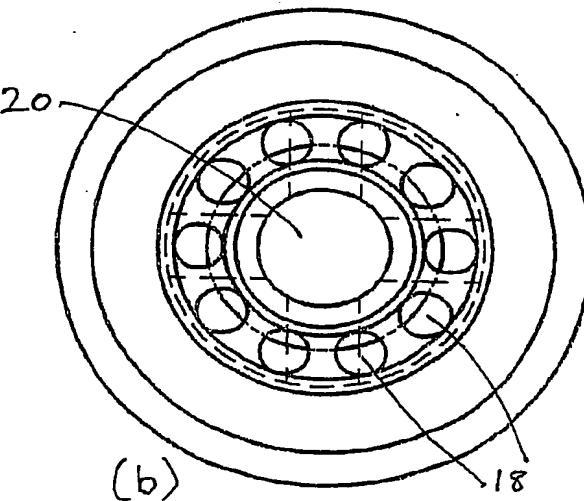


FIGURE 9.

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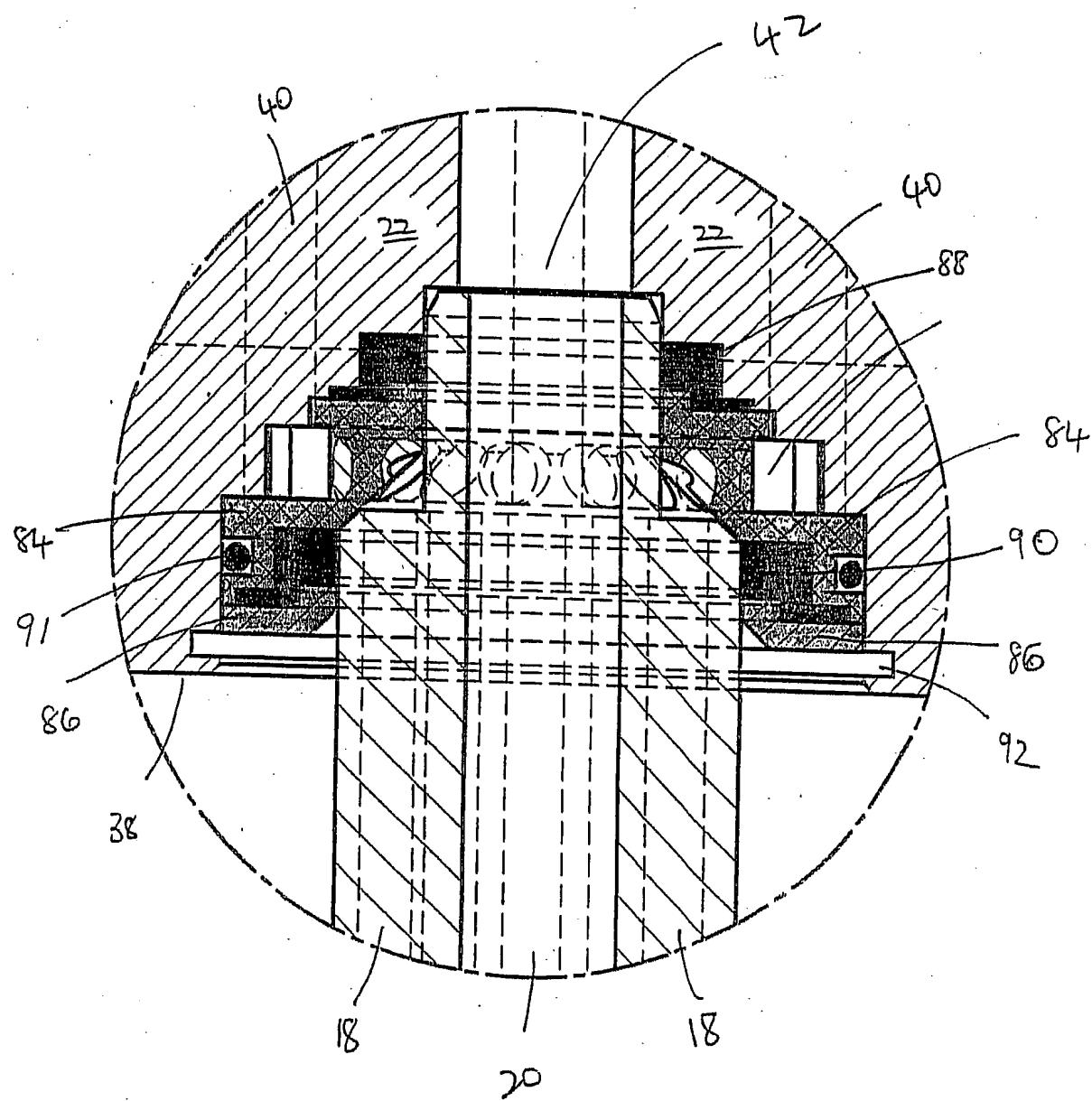


FIGURE 10.

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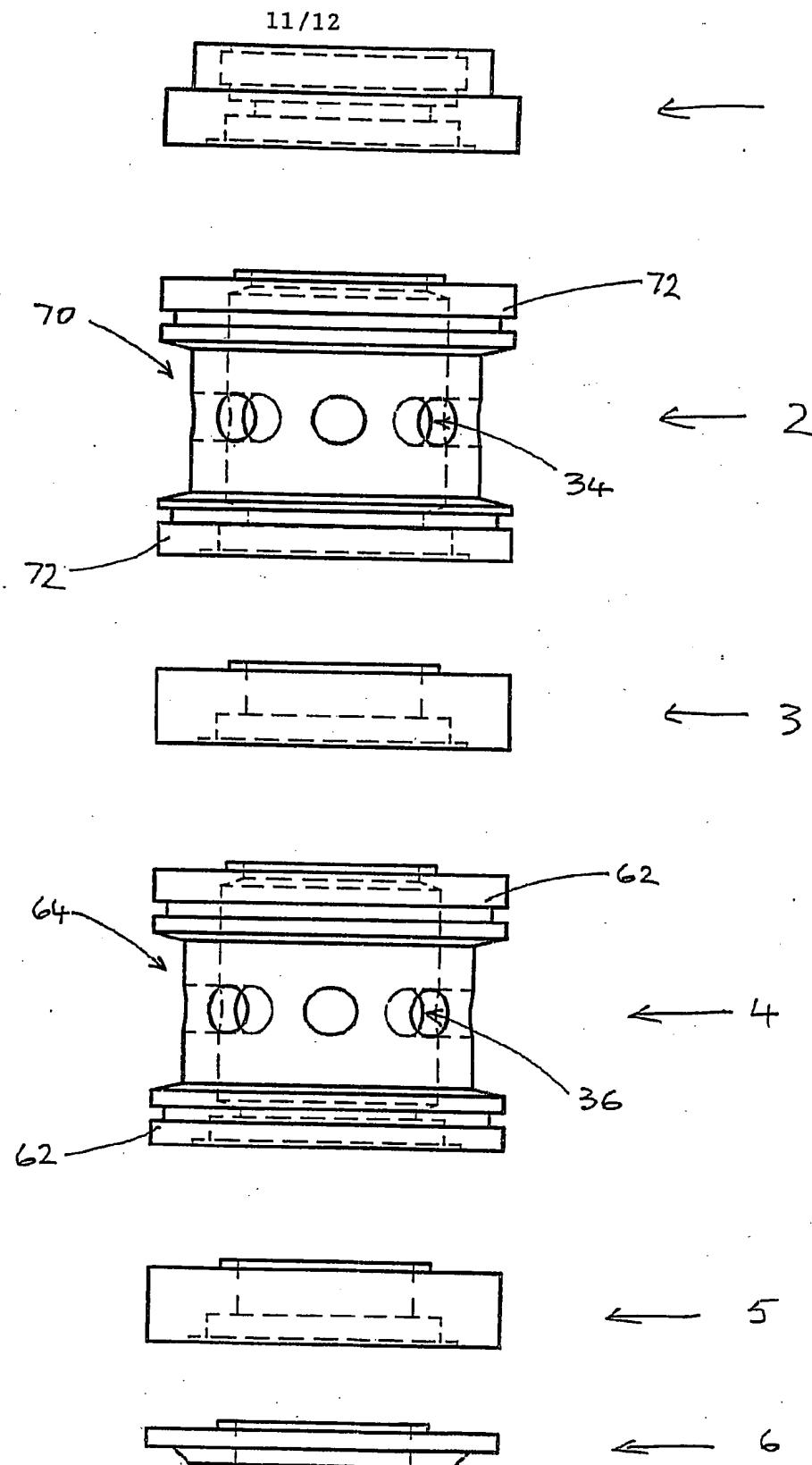


FIGURE 11

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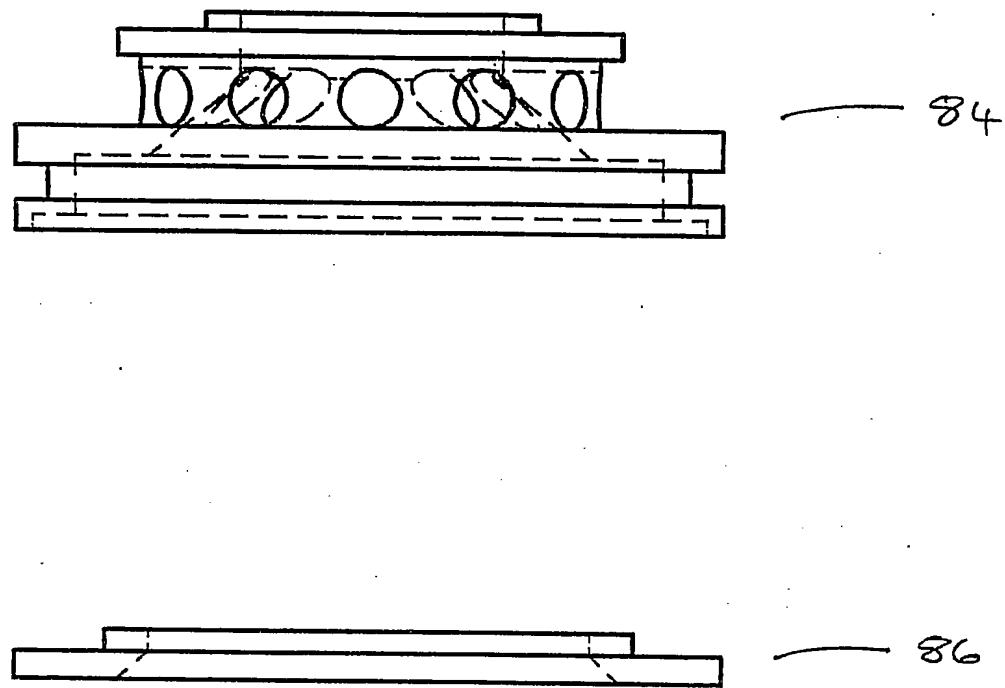


FIGURE 12

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B62D53/08 B62D53/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B62D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 053 614 A (EATON WILFRED A ET AL) 8 September 1936 (1936-09-08) the whole document -----	1-3, 13, 14
X	US 3 181 888 A (PYRE GEORGE J ET AL) 4 May 1965 (1965-05-04) the whole document -----	1, 4

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

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Authorized officer

Blondeau, A

**INTERNATIONAL SEARCH REPORT**International Application No  
PCT/7A 03/00141

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2053614	A 08-09-1936	NONE	
US 3181888	A 04-05-1965	NONE	